

AMENDED  
APPLICATION FOR PERMIT

Serial N<sup>o</sup> 25622

TO APPROPRIATE THE PUBLIC WATERS OF THE STATE OF NEVADA

Date of filing in State Engineer's Office..... MAY 20 1970  
Returned to applicant for correction..... JUL 2 1970  
Corrected application filed..... AUG 4 1970  
Map filed..... AUG 3 1970 under 25618

The applicant Thermal Energy Company  
4681 First National Bank Building  
of Dallas....., County of.....

State of Texas 75202....., hereby make... application for permission to appropriate the public waters of the State of Nevada, as hereinafter stated. (If applicant is a corporation, give date and place of incorporation; if a copartnership or association, give names of members.) Thermal Energy Co., a Joint Venture composed of John D. Murchison, Clint W. Murchison, Jr., Planet Oil & Mineral Corporation, and E. B. LaRue, Jr.

1. The source of the proposed appropriation is Paleozoic carbonate rock reservoir  
Name of stream, lake or other source.....
2. The amount of water applied for is six.....second-feet  
One second-foot equals 448.83 gals. per min.  
(a) If stored in reservoir give number of acre-feet Reservoir capacity, 5,000 acre feet acre-feet
3. The water to be used for industrial cooling purposes  
Irrigation, power, mining, manufacturing, domestic, or other use.....
4. If use is for:
  - (a) Irrigation (state number of acres to be irrigated).....
  - (b) Stockwater (state number and kinds of animals to be watered).....
  - (c) Other use (describe fully under "No. 11. Remarks").....
  - (d) Power:
    - (1) Horsepower developed.....
    - (2) Point of return of water to stream.....
5. The water is to be diverted from its source at the following point: NW 1/4 Sec. 32, T.16S., R.51E., M.D.B. & M., or at a point from which the NW corner of said Sec. 32 bears  
Describe as being within a 40-acre subdivision of public survey, and by course and distance to a section corner. If on unsurveyed land,  
N. 80° 5' 00" W. a distance of 3,484.05 feet  
it should be stated.
6. Place of use North half Section 32, T.16S., R.51E., Mt. Diablo Meridian,  
Describe by legal subdivision, if on unsurveyed land it should be so stated.  
Nye County, Nevada
7. Use will begin about January 1st and end about December 31st, of each year.  
Month Month
8. Description of proposed works. (Under the provisions of NRS 535.010 you may be required to submit plans and specifications of your diversion or storage works.) To be gathered by pipeline and diverted to a cooling reservoir  
State manner in which water is to be diverted, whether by dam or other works, whether through pipes, ditches, flumes, or other conduits.

9. Estimated cost of works. Well will cost approximately \$20,000.
10. Estimated time required to construct works. Drilling and completing the well will require approximately 1 month.
11. Estimated time required to complete the application to beneficial use. 2 - 6 yrs.
12. Remarks. The principal use of the water would be for condenser cooling in an electric power plant, which requires 15,000 acre feet per year for each 750 megawatts of capacity. It is proposed to complete to a minimum depth of 800 feet or 200 feet into the carbonate rocks, a sufficient number of adequately spaced test wells to determine by prolonged pumping the approximate equilibrium rate of the carbonate rock reservoir. All wells will be cased and cemented through the valley fill section.

Applicant Thermal Energy Company

By s/ Robert J. McNutt

P. O. Box 539

Las Vegas, Nevada 89101

Compared km/bk

Pro. on 9/8/70 by Dept. of Fish & Game

PRO: on 9/25/70 by Las Vegas Valley /Water Dist.

PRO: on 9/23/70 by Nevada Power Company PRO: on 10/1/70 by

SEE FOLDER FOR

OF STATE ENGINEER Spring Meadows

FURTHER PROTESTS

This is to certify that I have examined the foregoing application, and do hereby grant the same, subject to the following limitations and conditions:

The amount of water to be appropriated shall be limited to the amount which can be applied to beneficial use, and not to exceed cubic feet per second

Actual construction work shall begin on or before

Proof of commencement of work shall be filed before

Work must be prosecuted with reasonable diligence and be completed on or before

Proof of completion of work shall be filed before

Application of water to beneficial use shall be made on or before

Proof of the application of water to beneficial use shall be filed on or before

Map in support of proof of beneficial use shall be filed on or before

Commencement of work filed

Completion of work filed

Proof of beneficial use filed

Cultural map filed

Certificate No. Issued

Recorded Bk. Page

IN TESTIMONY WHEREOF, I  
State Engineer of Nevada, have hereunto set my hand and the seal of  
my office, this day of

A.D. 19

County Recorder NOV 18 1970

State Engineer

WITHDRAWN BY APPLICANT  
Roland D. Westergaard  
STATE ENGINEER